CLAIMS

1. An image reading apparatus comprising: a light source for illuminating an image reading region extending in a primary scanning direction;

a case for accommodating the light source;

a substrate including a first side edge and a second side edge spaced from each other in a secondary scanning direction which is perpendicular to the primary scanning direction, the substrate being mounted to the case;

aplurality of sensor IC chips for detecting light traveling from the image reading region, the sensor IC chips being mounted on a principal surface of the substrate at positions closer to the second side edge than to the first side edge;

a wiring pattern formed on the substrate; and

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a plurality of wires electrically connecting the sensor IC chips and the wiring pattern to each other;

wherein each of the wires is connected to the wiring pattern by extending from a corresponding one of the sensor IC chips toward the first side edge of the substrate.

2. The apparatus according to claim 1, further comprising a light guide for guiding light emitted from the light source to the image reading region, wherein the case is provided with a partition wall for separating the light guide and the sensor IC chips, and wherein the partition wall is spaced from the substrate.

- 3. The apparatus according to claim 2, wherein the light guide is made of transparent resin.
- 4. The apparatus according to claim 2, wherein the partition wall includes a flat surface extending parallel to the principal surface of the substrate, and wherein the wires enter between the flat surface and the principal surface of the substrate at least partially.

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5. The apparatus according to claim 2, further comprising a reflector held in contact with the light guide to prevent light from leaking from the light guide, wherein the reflector is provided on the partition wall.

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- 6. The apparatus according to claim 1, wherein the plurality of sensor IC chips are arranged in a straight row, and wherein the wiring pattern includes a conductive path which extends across the row of the sensor IC chips and a conductive path which does not extend across the row of the sensor IC chips.
- 7. The apparatus according to claim 1, wherein each of the sensor IC chips is provided with a plurality of connection pads, and a plurality of light receiving portions arranged in a straight row, and wherein the connection pads are arranged at positions offset toward the first side edge of the substrate with respect to the light receiving portions.

- 8. The apparatus according to claim 1, further comprising a connector for external connection attached to the first side edge of the substrate, wherein the connector is electrically connected to the wiring pattern.
- 9. A circuit board unit comprising a substrate including a first side edge and a second side edge spaced from each other;
- a plurality of sensor IC chips mounted on the substrate at positions closer to the second edge than to the first edge;
 - a wiring pattern formed on the substrate; and
 - a plurality of wires electrically connecting the sensor IC chips and the wiring pattern to each other;
- wherein each of the wires is connected to the wiring pattern

 15 by extending from a corresponding one of the sensor IC chips
 toward the first side edge of the substrate.
- 10. The unit according to claim 9, wherein each of the sensor IC chips is provided with a plurality of connection pads, and a plurality of light receiving portions arranged in a straight row, and wherein the connection pads are arranged at positions offset toward the first side edge of the substrate with respect to the light receiving portions.